

Praktikum Protokolldesign

Wintersemester 2007/2008
TU Berlin, FG INET

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[http://www.net.t-labs.tu-berlin.de/teaching/
ws0708/PD_labcourse/](http://www.net.t-labs.tu-berlin.de/teaching/ws0708/PD_labcourse/)

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General Information

- Area: Betriebs- und Kommunikationssysteme
- Tutorial: Tuesday 14:00h – 16:00h
- Discussion Groups: tba
- Language:
 - o Tutorial: German
 - o Slides: English (maybe also German)
 - o Discussion groups: your choice
- Web site: [http://www.net.t-labs.tu-berlin.de/
teaching/0708/PD_labcourse/](http://www.net.t-labs.tu-berlin.de/teaching/0708/PD_labcourse/)
- Contact: praktikum@lists.net.t-labs.tu-berlin.de

Contents

- Logfile and/or packet trace analysis
- Socket (network) programming
- Design and implementation of network protocols:
 - o Peer-to-Peer protocol. Atop the P2P protocol we will design and implement:
 - Routing protocols
 - File exchange
 - Transport protocol

Organization

- Tutorials (Zentralübung):
 - Tue, 14h-16h**, Telefunken building, 20th floor
 - o Handout of new work sheet
 - o Introduction to the sheet, hints, questions, background infos
 - o Not compulsory but strongly suggested
- Working time: 1 week
- Work in teams of two
- Electronic submission: **Tue, 11:59h s.t.**

Organization

- Debriefing: weekly discussion groups
 - o Work sheet is only complete **after** debriefing
 - o Our computer pool room: Telefunken 15th floor
 - o Time: tba
- We **strongly** suggest PERL
- PERL introduction will be given
- Alternatively: C, C++, JAVA
- Other programming languages after arrangement

Discussion Groups

- Attending is compulsory**
- Approx. 4 teams per discussion group
- One teams presents their solution
- What did you do? Where were the problems
- Afterwards: Other teams are debriefed
- Both team members must be able to explain the code / the solution!!**

Grading

- At least 25% per sheet (one sheet free)
- Code **and** debriefing
- Points can be refurbished
- Attending the discussion groups is **compulsory**
- Final grading key: tba
- See Website for details**

Registration

- Available now on the website
- Register until:
Mon, Oct. 22, 23:59h s.t.
- Building the teams:
 - o Register as a team of two
 - o Or: register solo and we assign a partner
- You can define your preference for discussion groups time slots

Questions

- Website (esp. the FAQ)
- Mail to:
praktikum@lists.net.t-labs.tu-berlin.de

- Or now ;-)